

## LOCATION SYSTEM

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### Abstract of the Disclosure

One embodiment of the present invention provides a ground surface location system for identifying an object and its location within a coverage area. The ground surface location system includes a location transmitter and a location identifier. The location transmitter is positioned at a location within the coverage area and has a physical location code corresponding to the location stored therein, and is  
10 configured to provide an optical signal representative of the physical location code. The location identifier is adapted to couple to the object and has an object identification code representative of the object stored therein, and is configured to receive the optical signal and to transmit an identification signal representative of  
15 the physical location code and the object identification code.